

#4

OIKE

## RAW SEQUENCE LISTING

DATE: 07/20/2001

PATENT APPLICATION: US/09/766,412

TIME: 14:04:34

Input Set : A:\ES.txt

Output Set: N:\CRF3\07202001\I766412.raw

3 <110> APPLICANT: GE, Ruowen et al.  
5 <120> TITLE OF INVENTION: SMALL PEPTIDES HAVING ANTI-ANGIOGENIC AND ENDOTHELIAL CELL  
INHIBITION  
6 ACTIVITY  
8 <130> FILE REFERENCE: 1781-0215P  
10 <140> CURRENT APPLICATION NUMBER: 09/766,412  
C--> 11 <141> CURRENT FILING DATE: 2001-01-11  
13 <160> NUMBER OF SEQ ID NOS: 50  
15 <170> SOFTWARE: PatentIn version 3.1  
17 <210> SEQ ID NO: 1  
18 <211> LENGTH: 10  
19 <212> TYPE: PRT  
20 <213> ORGANISM: Mammalian  
22 <220> FEATURE:  
23 <221> NAME/KEY: misc\_feature  
24 <223> OTHER INFORMATION: Angio-1  
27 <400> SEQUENCE: 1  
29 Ser Pro His Arg Pro Arg Phe Ser Pro Ala  
30 1 5 10  
33 <210> SEQ ID NO: 2  
34 <211> LENGTH: 10  
35 <212> TYPE: PRT  
36 <213> ORGANISM: Mammalian  
38 <220> FEATURE:  
39 <221> NAME/KEY: misc\_feature  
40 <223> OTHER INFORMATION: Angio-2  
43 <400> SEQUENCE: 2  
45 Ser Pro His Ala His Gly Tyr Ile Pro Ser  
46 1 5 10  
49 <210> SEQ ID NO: 3  
50 <211> LENGTH: 10  
51 <212> TYPE: PRT  
52 <213> ORGANISM: Mammalian  
54 <220> FEATURE:  
55 <221> NAME/KEY: misc\_feature  
56 <223> OTHER INFORMATION: Angio-3  
59 <400> SEQUENCE: 3  
61 Thr Pro His Thr His Asn Arg Thr Pro Glu  
62 1 5 10  
65 <210> SEQ ID NO: 4  
66 <211> LENGTH: 10  
67 <212> TYPE: PRT  
68 <213> ORGANISM: Mammalian  
70 <400> SEQUENCE: 4  
72 Thr Pro Ala Thr His Asn Arg Thr Pro Glu  
73 1 5 10  
76 <210> SEQ ID NO: 5  
77 <211> LENGTH: 10

ENTERED



## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/766,412

DATE: 07/20/2001

TIME: 14:04:34

Input Set : A:\ES.txt

Output Set: N:\CRF3\07202001\I766412.raw

78 <212> TYPE: PRT  
79 <213> ORGANISM: Mammalian  
81 <400> SEQUENCE: 5  
83 Thr Pro His Ala His Asn Arg Thr Pro Glu  
84 1 5 10  
87 <210> SEQ ID NO: 6  
88 <211> LENGTH: 10  
89 <212> TYPE: PRT  
90 <213> ORGANISM: Mammalian  
92 <400> SEQUENCE: 6  
94 Thr Pro His Thr Ala Asn Arg Thr Pro Glu  
95 1 5 10  
98 <210> SEQ ID NO: 7  
99 <211> LENGTH: 10  
100 <212> TYPE: PRT  
101 <213> ORGANISM: Mammalian  
103 <400> SEQUENCE: 7  
105 Thr Pro His Thr His Ala Arg Thr Pro Glu  
106 1 5 10  
109 <210> SEQ ID NO: 8  
110 <211> LENGTH: 10  
111 <212> TYPE: PRT  
112 <213> ORGANISM: Mammalian  
114 <400> SEQUENCE: 8  
116 Thr Pro His Thr His Asn Ala Thr Pro Glu  
117 1 5 10  
120 <210> SEQ ID NO: 9  
121 <211> LENGTH: 10  
122 <212> TYPE: PRT  
123 <213> ORGANISM: Mammalian  
125 <400> SEQUENCE: 9  
127 Thr Pro His Thr His Asn Arg Ala Pro Glu  
128 1 5 10  
131 <210> SEQ ID NO: 10  
132 <211> LENGTH: 10  
133 <212> TYPE: PRT  
134 <213> ORGANISM: Mammalian  
136 <400> SEQUENCE: 10  
138 Asn Thr Thr Glu Thr Pro His Pro His Arg  
139 1 5 10  
142 <210> SEQ ID NO: 11  
143 <211> LENGTH: 10  
144 <212> TYPE: PRT  
145 <213> ORGANISM: Mammalian  
147 <220> FEATURE:  
148 <221> NAME/KEY: misc\_feature  
149 <223> OTHER INFORMATION: Angio-4  
152 <400> SEQUENCE: 11  
154 Thr Pro His Arg His Gln Lys Thr Pro Glu



## RAW SEQUENCE LISTING

DATE: 07/20/2001

PATENT APPLICATION: US/09/766,412

TIME: 14:04:34

Input Set : A:\ES.txt

Output Set: N:\CRF3\07202001\I766412.raw

```

155 1          5          10
158 <210> SEQ ID NO: 12
159 <211> LENGTH: 11
160 <212> TYPE: PRT
161 <213> ORGANISM: Mammalian
163 <220> FEATURE:
164 <221> NAME/KEY: misc_feature
165 <223> OTHER INFORMATION: Angio-5
168 <400> SEQUENCE: 12
170 Glu Pro His Arg His Ser Ile Phe Thr Pro Glu
171 1          5          10
174 <210> SEQ ID NO: 13
175 <211> LENGTH: 10
176 <212> TYPE: PRT
177 <213> ORGANISM: Mammalian
179 <400> SEQUENCE: 13
181 Thr Pro His Arg His Asn Arg Thr Pro Glu
182 1          5          10
185 <210> SEQ ID NO: 14
186 <211> LENGTH: 10
187 <212> TYPE: PRT
188 <213> ORGANISM: Mammalian
190 <400> SEQUENCE: 14
192 Thr Pro His Lys His Asn Arg Thr Pro Glu
193 1          5          10
196 <210> SEQ ID NO: 15
197 <211> LENGTH: 10
198 <212> TYPE: PRT
199 <213> ORGANISM: Mammalian
201 <400> SEQUENCE: 15
203 Ser Pro His Lys His Asn Arg Thr Pro Glu
204 1          5          10
207 <210> SEQ ID NO: 16
208 <211> LENGTH: 10
209 <212> TYPE: PRT
210 <213> ORGANISM: Mammalian
212 <400> SEQUENCE: 16
214 Phe Pro His Val Pro Asn Tyr Ser Pro Ser
215 1          5          10
218 <210> SEQ ID NO: 17
219 <211> LENGTH: 10
220 <212> TYPE: PRT
221 <213> ORGANISM: Mammalian
223 <400> SEQUENCE: 17
225 Ser Pro His Arg Pro Thr Phe Ser Pro Ala
226 1          5          10
229 <210> SEQ ID NO: 18
230 <211> LENGTH: 10
231 <212> TYPE: PRT

```



## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/766,412

DATE: 07/20/2001

TIME: 14:04:34

Input Set : A:\ES.txt

Output Set: N:\CRF3\07202001\I766412.raw

232 <213> ORGANISM: Mammalian  
234 <400> SEQUENCE: 18  
236 Ser Pro His Ile Pro Lys Tyr Ser Pro Glu  
237 1 5 10  
240 <210> SEQ ID NO: 19  
241 <211> LENGTH: 10  
242 <212> TYPE: PRT  
243 <213> ORGANISM: Mammalian  
245 <400> SEQUENCE: 19  
247 Ser Pro His Val Pro Lys Phe Ser Pro Glu  
248 1 5 10  
251 <210> SEQ ID NO: 20  
252 <211> LENGTH: 10  
253 <212> TYPE: PRT  
254 <213> ORGANISM: Mammalian  
256 <400> SEQUENCE: 20  
258 Ser Pro His Ala His Gly Tyr Ile Pro Ala  
259 1 5 10  
262 <210> SEQ ID NO: 21  
263 <211> LENGTH: 10  
264 <212> TYPE: PRT  
265 <213> ORGANISM: Mammalian  
267 <400> SEQUENCE: 21  
269 Ser Pro His Ala His Gly Tyr Leu Pro Ser  
270 1 5 10  
273 <210> SEQ ID NO: 22  
274 <211> LENGTH: 10  
275 <212> TYPE: PRT  
276 <213> ORGANISM: Mammalian  
278 <400> SEQUENCE: 22  
280 Phe Pro His Arg His Ser Lys Thr Pro Glu  
281 1 5 10  
284 <210> SEQ ID NO: 23  
285 <211> LENGTH: 10  
286 <212> TYPE: PRT  
287 <213> ORGANISM: Mammalian  
289 <400> SEQUENCE: 23  
291 Thr Pro His Trp His Glu Lys Thr Pro Glu  
292 1 5 10  
295 <210> SEQ ID NO: 24  
296 <211> LENGTH: 10  
297 <212> TYPE: PRT  
298 <213> ORGANISM: Mammalian  
300 <400> SEQUENCE: 24  
302 Thr Pro His Arg His Glu Lys Thr Pro Gly  
303 1 5 10  
306 <210> SEQ ID NO: 25  
307 <211> LENGTH: 10  
308 <212> TYPE: PRT



## RAW SEQUENCE LISTING

DATE: 07/20/2001

PATENT APPLICATION: US/09/766,412

TIME: 14:04:34

Input Set : A:\ES.txt

Output Set: N:\CRF3\07202001\I766412.raw

```

309 <213> ORGANISM: Mammalian
311 <400> SEQUENCE: 25
313 Thr Pro His Arg His Leu Lys Thr Pro Glu
314 1          5          10
317 <210> SEQ ID NO: 26
318 <211> LENGTH: 11
319 <212> TYPE: PRT
320 <213> ORGANISM: Mammalian
322 <400> SEQUENCE: 26
324 Glu Pro His Arg His Ser Ile Phe Thr Pro Gln
325 1          5          10
328 <210> SEQ ID NO: 27
329 <211> LENGTH: 11
330 <212> TYPE: PRT
331 <213> ORGANISM: Mammalian
333 <400> SEQUENCE: 27
335 Glu Pro His Ser His Arg Ile Phe Thr Pro Glu
336 1          5          10
339 <210> SEQ ID NO: 28
340 <211> LENGTH: 11
341 <212> TYPE: PRT
342 <213> ORGANISM: Mammalian
344 <400> SEQUENCE: 28
346 Glu Pro His Gln His Ser Ile Phe Thr Pro Glu
347 1          5          10
350 <210> SEQ ID NO: 29
351 <211> LENGTH: 11
352 <212> TYPE: PRT
353 <213> ORGANISM: Mammalian
355 <220> FEATURE:
356 <221> NAME/KEY: misc_feature
357 <223> OTHER INFORMATION: Endo-1
360 <400> SEQUENCE: 29
362 Ser Pro His Asn Ser Tyr Ile Val Leu Pro Ile
363 1          5          10
366 <210> SEQ ID NO: 30
367 <211> LENGTH: 13
368 <212> TYPE: PRT
369 <213> ORGANISM: Mammalian
371 <220> FEATURE:
372 <221> NAME/KEY: misc_feature
373 <223> OTHER INFORMATION: Endo-2
376 <400> SEQUENCE: 30
378 Gln Pro Val Leu His Leu Val Ala Leu Asn Thr Pro Leu
379 1          5          10
382 <210> SEQ ID NO: 31
383 <211> LENGTH: 14
384 <212> TYPE: PRT
385 <213> ORGANISM: Mammalian

```



VERIFICATION SUMMARY

PATENT APPLICATION: US/09/766,412

DATE: 07/20/2001

TIME: 14:04:35

Input Set : A:\ES.txt

Output Set: N:\CRF3\07202001\I766412.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date